AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows:

1. (Previously Presented) A method of discovering a business object definition, comprising:

receiving an object and a collaboration code;

determining a business object definition for said object based upon said collaboration code; and

storing said business object definition,

wherein said collaboration code determines said business object definition for said object without pre-defined business object definitions, if the object does not conform to a known business object definition.

2. (Canceled).

3. (Previously Presented) The method of claim 1,

wherein said object comprises a business object, and

wherein said determining the business object definition for said business object comprises reverse engineering said business object to examine how the business object was obtained.

4. (Original) The method of claim 1, further comprising forwarding said object and said object definition.

5. (Original) The method of claim 4, wherein said forwarding comprises forwarding said object and said object definition to an application adapter.

6. (Original) The method of claim 5, further comprising processing said object based upon said object definition in said application adapter.

7. (Original) The method of claim 1, wherein said collaboration code determines how data from a second object is mapped to said object.

8. (Original) The method of claim 1, wherein said collaboration code determines how said object is derived from said second object.

9. (Original) The method of claim 8, wherein said collaboration code determines how said object is derived from said second object and a second object definition.

10. (Original) The method of claim 9, further comprising receiving said second object definition.

11. (Original) The method of claim 10, wherein said determining comprises determining said object definition for said object based upon said collaboration code and said second object definition.

12. (Original) The method of claim 1, wherein said receiving comprises receiving said object and said collaboration code from a broker.

13. (Previously Presented) A system for determining a business object definition, comprising:

    a processor for receiving an object and a collaboration code, and for determining an object definition for said object based upon said collaboration code,

    wherein said collaboration code determines said business object definition for said object without pre-defined business object definitions, if the object does not conform to a known business object definition.

14. (Previously Presented) The system of claim 13,

    wherein said object comprises a business object,

    wherein said processor comprises a reverse object discovery agent, and

    wherein said reverse object discovery agent conducts said determining the business object definition for said business object by reverse engineering said business object to examine how the business object was obtained.

15. (Original) The system of claim 13, further comprising means for forwarding said object and said object definition to an application adapter.

16. (Original) The system of claim 13, wherein said collaboration code determines how data from a second object is mapped to said object.

17. (Original) The system of claim 13, further comprising means for receiving a second object definition, wherein said collaboration code determines how said object is derived from said second object and said second object definition.

18. (Original) The system of claim 17, wherein said means for determining comprises means for determining said object definition for said object based upon said collaboration code and said second object definition.

19. (Original) The system of claim 13, wherein said means for receiving comprises means for receiving said object and said collaboration code from a broker.

20. (Currently Amended) A business object collaboration system, comprising:

a broker comprising a collaboration that receives a first business object and a first business object definition, that generates a second business object without a predetermined business object definition, and that generates a collaboration code, and

a processor serving to execute a reverse object discovery agent that receives the first business object definition, the second business~~a first~~ object, and ~~the~~a collaboration code from ~~the~~a broker and ~~that determines a first object definition~~ that defines a newly discovered business object definition for the second business object as a second business object definition during runtime as a based upon said collaboration code,

wherein said ~~collaboration code~~reverse object discovery agent determines said second business object definition for said ~~first~~second business object without pre-defined business object definitions, if the reverse object discovery agent determines that the second business object does not conform to a known business object definition,

wherein the reverse object discovery agent determines a structure of the second

business object definition by converting a structure of the second business object directly, by

examining an instruction that creates the second business object.

21. (Currently Amended) The system of claim 20, ~~further comprising:~~

~~a broker that receives a second object and a second object definition and that~~

~~generates said first object using said collaboration code.~~ wherein the reverse object discovery

agent determines said second business object definition for said second business object by

requesting the collaboration code and the first business object definition from the broker, and

discovers a mapping information that was used by the broker to generate the second business

object, if the reverse object discovery agent determines that the second business object does

not conform to the known business object definition, and

the reverse object discovery agent creates the second business object definition based

upon the discovered mapping information.

22. (Currently Amended) The system of claim 21, wherein said collaboration code

determines how said ~~first~~ second object is derived from said ~~second~~ first object.

23. (Currently Amended) The system of claim 21, wherein said collaboration code

~~determines how said~~ provides an indication as to how the first business object was processed

to obtain the second business object. ~~first object is derived from second object and said second~~

~~object definition.~~

24. (Currently Amended) The system of claim 20, further comprising:

an application adapter that receives said ~~first~~ second object and said ~~first~~ second

object definition from said reverse object discovery agent.

25. (Previously Presented) A method of business object collaboration, comprising:

determining whether an object conforms to a known business object definition;

requesting a collaboration code and an input object definition if said object does not

conform to a known object definition;

   receiving said collaboration code and said input object definition; and

   storing said collaboration code and said input object definition,

   wherein said collaboration code determines said business object definition for said object without pre-defined business object definitions, if said object does not conform to the known object definition.

26. (Original) The method of claim 25, further comprising analyzing said collaboration code and said input object definition.

27. (Original) The method of claim 26, further comprising creating a new object definition based upon the results of said analyzing.

28. (Original) The method of claim 25, further comprising forwarding said object if said object conforms to a known object definition.

29. (Previously Presented) The method of claim 25, wherein said object comprises a business object.

30. (Original) The method of claim 25, further comprising forwarding said new object definition to an application adapter.

31. (Original) The method of claim 30, further comprising receiving a subscription from said application adapter for said new object definition.

32. (Original) The method of claim 31, further comprising forwarding said object in response to said subscription.

33. (Previously Presented) A method for deploying computing infrastructure, comprising:

   integrating computer-readable code into a computing system,

   the computer-readable code comprising:

     instructions for receiving an object and a collaboration code;

instructions for determining a business object definition for said object

based upon said collaboration code; and

instructions for storing said business object definition,

wherein said collaboration code determines said business object definition for said object without pre-defined business object definitions, if the object does not conform to a known business object definition.

34. (Previously Presented) The method of claim 33, wherein said object comprises a business object.

35. (Original) The method of claim 33, further comprising instructions for forwarding said new object definition to an application adapter.

36. (Original) The method of claim 35, further comprising instructions for receiving a subscription from said application adapter for said new object definition.

37. (Original) The method of claim 36, further comprising instructions for forwarding said object in response to said subscription.

38. (Currently Amended) The method of claim 1, wherein said collaboration code comprise dynamically generated business object newly discovered during runtime, and provides an indication as to how the business object was processed.

39. (Currently Amended) The system of claim 13, wherein the processor for receiving the object and the object and the collaboration code, and for determining the object definition for said object based on said collaboration code, and the collaboration code for determining whether the object conforms to the known business object definition, comprise a reverse object discovery agent means.

40. (Previously Presented) The method of claim 1, wherein determining the business object definition for said object without pre-defined business object definitions comprises:

determining a mapping information by determining how a plurality of business objects was merged to create the received object;

creating the business object definition based on the determined mapping information;

sending the created business object definition to an adapter; and

subscribing to the new business object definition.

41. (Previously Presented)   The method of claim 1,

wherein said receiving the object and the collaboration code is performed before said determining the business object definition, and

wherein said storing the business object definition is performed before said determining the business object definition.